ASBESTOS

MAY - 1947

HIGH QUALITY ROVING

If your roving days aren't over, you're just the man we want to talk to. R M Roving is everything that Roving should be . . . a strong, uniform strand . . . made of selected fibres . . . thoroughly mixed . . . carded and rubbed. An experienced R M engineer will be glad to discuss your Roving problems.

RM

RAYBESTOS - MANHATTAN, INC.

ASBESTOS TEXTILE & PACKING DIVISION

MANHEIM, PA. NORTH CHARLESTON, S. C.

"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE

BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

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SUBSCRIPTION PRICE

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CANADA	3.00	" "
FOREIGN COUNTRIES	3.00	" "
SINGLE COPIES	.25	EACH

(Payable in U. S. Funds)

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VARIETY

Early last summer friends of ours decided to move to the Southland, taking up permanent residence there. They were tired of buying fuel they said, tired of battling with Philadelphia weather, so they sold their home near Philadelphia and moved to Florida.

A few weeks ago we received a letter from them saying that as soon as they could sell the property they had purchased and make the necessary arrangements they were moving back North—that they did not like "summer all the time". In fact at the time they wrote a cold spell had hit Florida and they were delighted to see a skim of ice on the bird bath.

Their experience made us wonder whether most of us in the business world would like "summer all the time". Would it not become monotonous if there were no headaches in the morning mail, no problems to solve, no obstacles to overcome—if everything went smoothly, orders flowing in, production keeping pace with orders, raw materials easily obtainable, no troubles with labor. It sounds alluring but wouldn't we miss the thrill which comes when some knotty problem is solved; there would be practically nothing to get enthusiastic about if we had no troubles. It would be like travelling on a flat plain, with never a view of a lofty mountain.

"Variety is the spice of life" is an old adage but nevertheless a true one. And while we admit there are a good many troubles we could easily do without, most of us would find our jobs most uninteresting if we had no troubles at all—if it were, in fact, "summer all the time".

• • • —

The Fiftieth Annual Meeting of the American Society for Testing Materials will be held in Atlantic City, June 16th to 20th. The Edgar Marburg Lecture will be presented by Prof. W. C. Voss of Massachusetts Institute of Technology on "Engineering Laminates". Further information on the program of the meeting can be obtained by request to the A. S. T. M., 1916 Race Street, Philadelphia 3, Pa.

PUBLICITY

There may or may not be real utilitarian merit in the ironing board covers, iron rests, asbestos dish towels, and a host of other objects used around the home which have asbestos of some kind in their make-up, but one fact is obvious—the wide publicity given such objects contributes much to making the public "asbestos conscious."

There seems to be a general movement, certainly not concerted but none the less effective, to give the word "asbestos" in certain connections, a value almost equal to that of "sterling" in connection with silver.

No better publicity can be found for asbestos than in the advertising by manufacturers (some national in scope) of various articles which emphasizes the fact that asbestos is used in the make-up of their article, whether it be a motor (as in the case of U. S. Electrical Motors, Inc.) or an iron rest.

PERSONALITY IN ADVERTISING

Advertising has personality, for it affects persons When the total effect is good, then the advertising is persuasive; when it is factual, its story is credible; when it is strong and positive, then it will receive attention. If it is well dressed and presentable, well voiced and attractive, in addition, then it is a credit to the craft. Yes, advertising has personality, defined exactly as personality for a person; the total effect, impact, impression upon people.

—SRDS Forum

• • • —

The easiest way to make life hard is to take it easy. Ease today means trouble tomorrow. Privilege neglected today leaves us disqualified for tomorrow. Duties shoved aside today are likely to bang us in the face tomorrow. The only way to live happily tomorrow is to live busily today. Payday is sure to come for negligence. It is equally sure to come for diligence and will be much more enjoyable.

—Forward

RECOVERY OF RAW ASBESTOS

Methods[1] Used at Havelock Mine

By Roland Starkey M. Inst. M. M. Consulting Engineer, and Staff of African Associated Mines, Limited

Production of chrysotile asbestos from the Havelock Mine began in June, 1939 and the milling methods adopted were the result of a considerable amount of experience and research by technicians of Turner & Newall, Ltd., both from their mines in Africa and from their factories in the United Kingdom.

The Havelock Mine is situated in Swaziland a few miles over the Eastern border of the Transvaal. It is owned by New Amianthus Mines, Ltd., a subsidiary company of Turner & Newall, Ltd., of Rochdale, England.

About one quarter of the ore delivered to the mill bins is derived from opencast quarrying operations and the remaining three quarters is broken in underground sub-level caving stopes.

[1]This article supplements in a way J. C. Kelleher's article "Milling Asbestos" published last year in reprint form and available at 25c per copy. It is our purpose to reprint this article of Mr. Starkey's also.

The first operation in the mill is of sizing and hand sorting. The rate of flow from the mill bins is 110 tons per hour and a rotating ring grizzley gives a +4 inch product; the "throughs" pass to trommels clad with steel punched-plate with circular holes of 2½ inch diameter. Fibre bearing rock present in the +4 inch, and —4 inch +2½ inch products, is picked off sorting conveyor belts by hand and the remaining barren waste rock is disposed of forthwith via waste bin and dump haulage. This sorting operation yields a product known as Hand Cobbed Fibre constituting approximately 3% of the original feed; the coarse waste discarded to dump amounts to 50%.

The —2½ inch product from trommelling contains moisture varying from 4% to a maximum of 33%, the average content being from 8% to 9%, and before further treatment can take place it is necessary to arrange to dry this material. A type of tower dryer has been evolved, designed to remove excess moisture without subjecting the asbestos to severe overheating or to undue mechanical attrition, both of which would tend to destroy the delicate fibres. The tower dryer is essentially a vertical shell 40 feet high and 6 feet in diameter containing a system of baffles. The moist ore showers down the dryer from top to bottom against the flow of hot furnace gases from a thermostatically-controlled, automatic coal-fired stoker. The contained moisture in the discharge is approximately 2 to 3% and the temperature 180° F.

A further trommelling process now separates the —½ inch element of the dried material, the +½ inch —2½ inch element being presented in a uniform stream to vacuum air separating nozzles causing the loose fibre to be removed and deposited in a form of cyclone settler. The loose fibre recovered at this stage amounts to 2% of the original feed, while the —½ inch material constitutes 22%. This leaves 23% of the original feed in the form of +½ inch —2½ inch material, which is reduced to a 3 ft. short head Symons cone crusher. The loose fibre just referred to and the hand cobbed fibre previously noted receive separate treatment in order to preserve the long fibres present in

the original ore. Drying of these two materials is completed in a steam dryer consisting of successive floors of pivotable steel plates along which steam pipes are conducted. The drying takes place on these floors, the material being passed from one floor to the next below at appropriate intervals of time, a thoro turning over being effected at each transfer.

From this point onwards the fibre recovery process consists essentially of a series of stage crushings followed by screening and vacuum air separation of the released fibre. The initial reduction of the lumps of hand cobbed fibre is by means of a 16" x 10" jaw crusher and subsequent crushings are in pan rolls. This crushing machine comprises two edge runners revolving in an annular dished pan which rotates in a horizontal plane. The crushing takes place between the edge runners, which together weigh 4000 pounds, and the pan which rotates at 35 r. p. m., the crushed material being discharged by means of a suitably arranged scraper. This type of crusher has been found to be very effective in separating fibre from containing rock without damaging the fibre down to limiting particle sizes of from .05 inch to .10 inch. The screening apparatus consists of inclined trommels of 3 feet diameter and 7'6" length, clad with wire screening cloth, the clear aperture being reduced at each successive crushing stage. The free fibre in the end discharge of these trommels passes over a reciprocating light sheet metal table to a revolving screen. At an appropriate distance, to effect separation of loose fibre from rock and grit, is located the usual vacuum nozzle thru which the fibre is lifted and subsequently deposited in cyclone settlers of the centrifugal type. Pan rolls crushing, screening, and air separation process is applied also to the —½ inch material and the crushed product from the Symons cone crusher.

As a result of these processes two types of material are segregated, (a) fibrous products from cyclone settlers, known as concentrates, and (b) sized gritty materials from 0.10 inch to 0.03 inch particles size, some of which are sent to waste dump and the remainder have sufficient fibre con-

Montreal is now our home

ON FEBRUARY 26TH we moved from New York to Montreal. This change will bring our office close to our mine at Asbestos, Quebec. Direct phone service will be maintained between the office and the mine. This improved co-ordination between the source of supply and sales headquarters will, we believe, make it possible for us to serve you better.

All orders, inquiries, correspondence and contacts which our U. S. and Canadian purchasers have been sending to Asbestos Fibre Distributors in the past, should, from now on, be directed to our new name and address:

ASBESTOS FIBRE DIVISION
Canadian Johns-Manville Co. Ltd.
1062 Sun Life Building
Montreal, P. Q. • Telephone: Marquette 2421

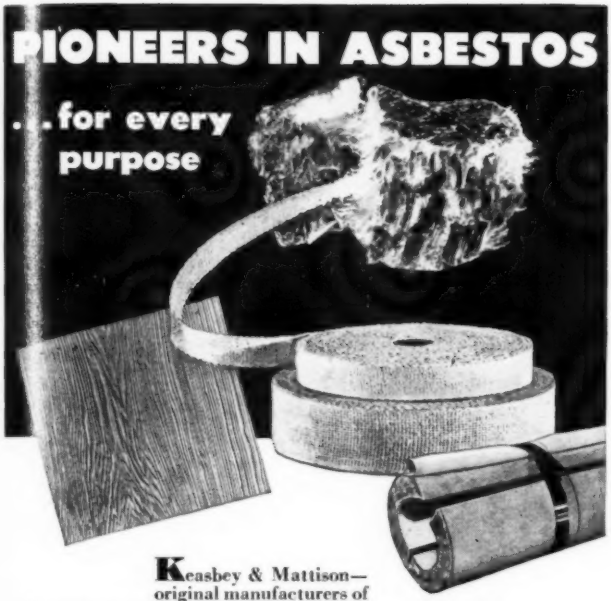
This change reflects only an internal operating change and the usual technical and advisory visits by our staff will be made to all our customers as in the past.

ASBESTOS FIBRE DIVISION
Canadian Johns-Manville Co. Ltd.

tent to warrant further milling.

Dealing first with the concentrates, which are only roughly classified in respect of average fibre length and which contain a proportion of fine dust, it is necessary to provide a screening (trommelling) plant in which there is a much more searching classification into fibre length groups and a practically complete elimination of fine dust. The result is classified fibre in four grades. The next process has a two-fold object, (a) to eliminate fractures in the individual strands of fibre, and (b) to eliminate the hard bundles or faggots of fibre aggregates. The former purpose ensures that the marketable product shall have true fibre lengths between predetermined limits and the latter secures a product of uniform texture. Previous attempts to achieve these aims were generally incompletely successful because of the difficulty in providing a selective treatment whereby fibres already opened up and free from fractures were not subjected to further treatment tending to destroy the fibre altogether. The principle of the machine now in use involves two elements, first an absolutely uniform feed at a predetermined rate, and secondly, introduction of this uniform layer of fibre into a swiftly moving air stream which passes thru a series of streamlined chambers in each of which revolves a horizontal shaft at high speed. The shafts are provided with a large number of beater arms, ½ inch in diameter, radially thru the shaft and projecting about 4½ inches on each side of the shaft. The direction of rotation of the shaft is opposed to the flow of the fibre-air stream. Fibre particles impinge upon these rods and the force of the blow is naturally proportional to the mass of the fibre aggregate. The light elements of opened fibre pass on unmolested, whereas the more compact bundles receive sharp blows which open them and at the same time break down fractured elements into true unfractured strands of fibre. After passage thru these conditioning machines the asbestos is removed from the air stream in the usual cyclone settler and passes thru trommels clad with the appropriate screening to eliminate short length fibre resulting from the conditioning process just described. The

PIONEERS IN ASBESTOS



Keasbey & Mattison—original manufacturers of asbestos-cement roofing shingles in this country—produce a complete line of asbestos building materials: Siding and Roofing Shingles • Wallboards • Corrugated and Flat Lumber • Acoustical material.

For Industry, we offer the following all-purpose asbestos products: Asbestos and Magnesia Pipe and Block Insulations • Asbestos Electrical Materials • Packings • Textiles • Paper and Millboard • Marine Insulations.

And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

Nature made Asbestos...

Keasbey & Mattison has been making it serve mankind since 1873

K&M best in asbestos

KEASBEY & MATTISON
COMPANY • AMBLER • PENNSYLVANIA

discharge from the trommels (plus product) is bagged in 10 ounce hessian bags containing 125 lbs. net asbestos weight under registered marks HVL/2 (spinning grade), HVL/3, 4 and 5 (shingle grades).

In the preliminary stages noted above, mention was made of gritty elements containing sufficient fibre to justify further treatment. Recovery from these materials is effected in a type of conditioning machine in which the rate of flow is regulated to achieve separation of fibre from adhering waste rock particles—a concentrate results which is incorporated in the flow in the same way as concentrates from other sources.

Finer elements still—down to 0.03 inch particle size—are subjected to a screening process in which a gyratory action is imparted to the horizontal screening surface giving selective treatment to the fibrous elements, opening them up and enabling the vacuum separating action to become operative. The limit to which the ultimate fibre recovery can be pursued is, of course, an economic one in which factors of cost of crushing and treatment have to be offset against net revenue from the salable product after making allowances for transport charges to the customer.

The rate of marketable asbestos production is approximately 26,000 tons per annum.

NEW RIC-WIL BOOKLET

Designed so that it will be of great practical use to engineers and architects is a booklet for underground pipe distribution systems employing pre-fabricated insulated pipe conduit.

Typical of the information contained are tables of dimensions for one or more conduits in one trench, tables of maximum conduit capacities of wrought iron and steel pipe sizes, and standard pre-fabricated expansion loop details. Loop dimensions expansion charts for both steel and wrought iron pipe are shown in convenient and usable form.

Copies of the booklet may be obtained without charge by writing The Ric-wiL Company, Cleveland, Ohio.

PHOTO—COURTESY OF STATE OF VERMONT

Presidential Birthplace: Calvin Coolidge was born in this quiet valley near Plymouth, Vt.

Nature at its best...in Vermont

For Modern Industry: Vermont provides asbestos fibers from the largest operating asbestos mine in the United States.

VERMONT ASBESTOS MINES
Division of

The RUBEROID Co.

Hyde Park, Vt. • *Mines at Eden & Lowell*
Sales Office: 500 Fifth Ave., New York 18, N. Y.

ASBESTOS SUITS AT TEXAS CITY

One of the worst tragedies in the history of the United States was that at Texas City, Texas, when a ship containing nitrate fertilizer caught fire and blew up in the harbor, wrecking and burning many buildings on the shore.

The tragedy which was spread across the headlines of U. S. newspapers for days, needs no further description by us, but we do want to emphasize that, as always in case of fires, especially large fires, asbestos suits were used to advantage in the rescue of men trapped in the ruins of the Monsanto Chemical Company's $10,000,000 plant.

Monsanto experts and firemen, the first to enter the ruins, donned asbestos suits and ventured in after three days, while the ruins were still smouldering. The heat and smoke were intense—firemen and rescue workers had to use asbestos suits to venture near them.

NEW BOOK - MATTHEWS TEXTILE FIBERS

The Fifth Edition of Matthews Textile Fibers (in which the chapter on Asbestos was written by the Editor of "ASBESTOS") is now published and the copy which has reached our desk looks to be very comprehensive and also interesting.

It contains 1133 pages, 351 illustrations, 333 tables and gives physical properties, microscopic and chemical properties, fiber identification methods, quantitative fiber analysis, fiber-testing methods and much other interesting and useful data on practically all textile fibers.

It was edited by Herbert R. Mauersberger, Technical Editor of Rayon Textile Monthly, and a leading authority on textiles.

The book is available at $12.50 per copy from Textile Book Publishers, Inc., 303 Fifth Avenue, New York 16, N. Y., or from "ASBESTOS".

RUBBER CEMENT

For Asbestos Packings
RUBBER & ASBESTOS CORP.
25 CORNELISON AVENUE
JERSEY CITY 4, N. J.

AMOSITE ASBESTOS

UNION ASBESTOS
MEANS PROGRESS IN INSULATION
AND RUBBER CO.

Offering Cape Amosite Asbestos Fibre—either crude or processed. A variety of fibre lengths and variations of fibre openings suitable for:

- **MOLDED INSULATING MATERIALS**
- **ASBESTOS CEMENT PRODUCTS**
- **LOOSE PACK INSULATIONS**
- **MOLDED PLASTICS**
- **WELDING ROD COATINGS**
- **FILTERING MEDIA**
- **OTHER SPECIALITY APPLICATIONS**

WE WILL BE PLEASED TO FURNISH TECHNICAL INFORMATION AND ASSISTANCE

UNION ASBESTOS & RUBBER CO.
DISTRIBUTORS FOR CAPE AMOSITE ASBESTOS
Offices: CHICAGO, NEW YORK, SAN FRANCISCO
Plants: CICERO, ILL., BLUE ISLAND, ILL., PATERSON, N. J.

MARKET CONDITIONS

GENERAL BUSINESS

The general business situation is not at all clear cut. The urging of firms to cut prices by President Truman seems to be having some effect—at least it is giving the firms who accede to the request, a lot of publicity! But many firms, especially small ones, do not have the capital to run their businesses on a narrow margin between costs and selling price.

Building is slowing down, undoubtedly because of high prices of building materials, and of the finished housing. Many families who would like to buy a home, who indeed are at present living under what we Americans call sub-standard living conditions because they cannot find any better housing, simply cannot afford the carrying charges on houses which, in a few years will sell for about half the price paid for them, and which besides are so poorly constructed that repair expense will be considerable.

Automobiles are still in demand but there are signs of buyer resistance, especially in the second hand field.

"Federal Reserve System reports indicate the inflationary boom is tapering off" we read somewhere in the news, and, taken all in all, we believe that is quite true, but when the adjustment will be completed depends on many factors, not the least of which is the demand for higher and higher wages.

ASBESTOS - RAW MATERIAL

The shortage of fibre in all grades is now widely recognized and accepted. The general impression exists that no major change in this condition will occur unless a depression of some magnitude takes place.

It is hoped that the fast growing demand for short fibre can be partly met by the extraction of more shorts from the currently available mill supply.

ASBESTOS - MANUFACTURED GOODS

Textiles. Conditions in the Asbestos Textile field re-

LIGHT DENSITY TYPE

PLANT

PRECISION MOLDED

85% MAGNESIA

"THE DEPENDABLE STANDARD—MODERNIZED"
REG. U. S. PAT. OFF.

U. S. Patent Nos. 2,131,374, 2,209,752, 2,209,753, 2,209,754

PLANT RUBBER & ASBESTOS WORKS

GENERAL OFFICES: SAN FRANCISCO

PLANT Engineering Service Units in Principal Cities

FACTORIES: Emeryville, San Francisco, Redwood City, Calif.

main about the same as last month. The continued short supply of the spinning grades of fibre still precludes any appreciative increase in production. However, it is hoped that this condition will be somewhat eased within the next few months.

Brake Lining. Industry sales, after a slight drop in January and February (replacement) are showing continued strength. A good second quarter is expected, one comparing favorably with 1946—the year of record sales.

The total sales for the month of March were slightly lower than those for the previous month but higher than those for the same month last year.

Sales for domestic consumption for March, while higher than those for the corresponding month in 1946 were lower than those for March 1945. Export sales recorded increases not only over March 1946 but also over February 1947.

Asbestos Paper and Millboard. The market in these two commodities remains about the same as last month, sales continuing quite active, with prices firm. The fibre shortage continues to be a problem. A great deal of Asbestos Paper is going into the building industry.

Insulation. High Pressure. Production is catching up with demand, which shows signs of easing, altho some manufacturers report that they are carrying the usual backlog of orders.

Insulation. Low Pressure. Lack of Asbestos Paper because of fibre shortage is still a problem even tho demand for Low Pressure materials is not so strong.

Asbestos-Cement Products. The demand for all types of asbestos-cement products continues to be substantially in excess of the industry's productive capacity which is limited by the amount of asbestos fibre available. Production generally is substantially ahead of any previous year but still far from sufficient to take care of the demand. This is not surprising when we look around us and see new housing projects using Asbestos Siding Shingles in greater

ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

REPRESENTATIVES

GREAT BRITAIN: ..... W. A. JANITCH,
6 Maresfield Gardens, London, N. W. 3

U. S. A.:

BALTIMORE, MD.: ..... WALLACE & GALE CO.,
115 South Gay St.

CLEVELAND, OHIO: ..... WORLD'S PRODUCTS TRADING CO.,
Rockefeller Bldg.

CHICAGO, ILL.: THE STARKIE COMPANY
5461 W. Division St.,

NEW YORK, N. Y.: ..... WHITTAKER, CLARK & DANIELS, INC.,
260 West Broadway

SAN FRANCISCO, CAL.: .... L. H. BUTCHER CO.,
15th and Vermont Sts.

CANADA:

MONTREAL, QUE.: ..... ATLAS ASBESTOS CO., LTD.
110 McGill St.

TORONTO 1, ONT.: ..... CANADIAN ASBESTOS ONTARIO LTD.
27 Front St., East

or less quantity. Manufacturers' prices on asbestos-cement products are only approximately 15% higher than in 1941, which is considerably less than the increased costs of manufacture.

Perhaps the fact that prices have not been unduly increased is one of the reasons that there is a greater call for roofing shingles.

Demand for corrugated and flat asbestos-cement sheets continues active thruout the country, with a slight slackening off on the Eastern Seaboard.

Production of asbestos-cement pipes is the highest since the peak war years, yet one manufacturer reports that they are not cutting into their backlog, which represents about 10 months production.

The above comments represent the opinions of executives in the various fields of the situation prevailing in the markets as they see them. Opinions or comments from any of our readers are welcome.

• • • —

Consolidated net sales of United States Rubber Company in the first quarter of 1947 were approximately 40% ahead of the same period last year.

AUTOMOBILE SALES[1]

	February 1947	March 1947
Passenger Car Factory Sales	266,237	301,810
Motor Trucks	106,339	118,046
Motor Coaches	1,211	1,421
	373,787	421,277

	1st Quarter
Passenger Car Factory Sales	815,177
Motor Trucks	325,477
Motor Coaches	3,872
	1,144,526

The above figures cover the United States only. Sales in Canada were 23,618 motor vehicles in February 1947.

[1]Figures supplied by Automobile Manufacturers Association, New Center Building, Detroit, Mich.

• • • —

Advertising can and should be to selling what the machine tool is to production—SRDS

HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

CONTRACTORS AND DISTRIBUTORS PAGE

WAGE RATES FOR PIPE COVERERS

The April issue of The Asbestos Worker (published quarterly by the International Association of Heat and Frost Insulators and Asbestos Workers) shows the following changes in wage rates for pipe coverers from those reported in our August 1946 issue, supplemented by the changes reported in February 1947 "ASBESTOS":

Akron, Ohio	$2.00
Atlantic City, N. J.	2.00
Birmingham, Ala.	1.75
Boston, Mass.	1.90
Buffalo, N. Y.	2.00
Charleston, W. Va.	1.93¾
Charlotte, N. C.	1.75
Chicago, Ill.	2.15
Cleveland, Ohio	2.00
Columbia, S. C.	1.75
Columbus, Ohio	1.87½
Des Moines, Ia.	1.75
Detroit, Mich.	2.02½
Evansville, Ind.	1.85
Fort Wayne, Ind.	1.80
Greensboro, N. C.	1.75
Huntington, W. Va.	1.93¾
Memphis, Tenn.	2.00
Miami, Fla.	2.00
Newport News, Va. (Except Navy Yard)	1.75
New York City, N. Y.	2.30
Norfolk, Va. (Except Navy Yard)	1.75
Omaha, Nebr.	1.82½
Portland, Ore.	2.00
Portsmouth, Va. (Except Navy Yard)	1.75
Rochester, N. Y.	1.90
Salt Lake City, Utah	1.60
Savannah, Ga.	1.75
Scranton, Pa.	1.75
Springfield, Mass.	1.92½
St. Louis, Mo.	2.12½
Tacoma, Wash.	1.90½
Tampa, Fla.	1.75
Washington, D. C.	2.12½
Wichita, Kans.	1.75
Wilkes-Barre, Pa.	1.75
Wilmington, Del.	2.00
York, Pa. (Effective July 1)	1.87½
Youngstown, Ohio	1.87½

BUILDING

Investment commitments for construction in the thirty-seven states east of the Rocky Mountains have just set a record high first-quarter total of $1,610,580,000, it has been reported by F. W. Dodge Corporation, on the basis of a tabulation of contracts awarded during the first three months of 1947.

The corporation attributes the record to the high volume of residential contract letting, the first quarter's total amounting to $748,691,000 against the previous high of $707,366,000 established in the first quarter of 1928. During the first quarter of 1946 residential contracts totaled $467,035,000 and called for the

ASBESTONE
CORPORATION

FORMERLY R. J. DORN COMPANY

Manufacturers of

ASBESTONE
Corrugated Asbestos-Cement Sheets

ASBESTONE JR.
Junior Weight Corrugated Asbestos-Cement Sheets

ASBESTONE FLAT WALLBOARD
for Siding and Walls — Interior and Exterior

ASBESTONE ROOFING SHINGLES

ASBESTONE SIDING SHINGLES

Factory and Sales Office: 5300 Tchoupitoulas Street

New Orleans 15, Louisiana

construction of 67,115 dwelling units, compared with 96,167 dwelling units under the contracts let in the first quarter of 1947.

Nonresidential building contracts dropped substantially. In the first quarter of 1946 a nonresidential building volume of $716,910,000 was reported to set a peacetime first-quarter record as compared to $535,473,000 in the first three months of 1947. It was pointed out that nonresidential construction this year has been controlled by federal limitations that were not in effect during the first quarter of last year. These limitations account for part of the nonresidential building decline so far this year.

Buildings to be used for manufacturing purposes constituted the most active classification of nonresidential construction, the first-quarter's total aggregating $242,495,000 as compared to $316,081,000 in the first three months of 1946.

However, in April there is evidence of recession from the high volume of construction reported for the first quarter. The decline is general, affecting non-residential building, residential building and heavy engineering construction. The month of March actually marked the beginning of the downward movement; and the readjustment was accelerated in April. In view of the known demand, the only important reason to which the recession can be ascribed is the rapid rise in costs in the last six months. "Buyers have assumed control of the construction market" states the F. W. Dodge Corporation.

• • • —

ABSCO NEWS, the house organ of the Asbestos Supply Companies of Seattle, Tacoma, Portland, and Spokane, devoted its May issue to the subject of heat insulation. The June issue will cover the field of Cold Insulation, while September will deal with Sound Conditioning and December will present ways and means of Insulating the Home. Write the Asbestos Supply Co. of Seattle, 321 First Avenue South, Seattle, Wash., if you would like a copy of any of these. Price is 25c each. Might mention "ASBESTOS"—that will ensure prompt attention.

The May issue which has just reached us contains a lot of factual information. The Heat Loss Tables on page 10 of that issue should be particularly helpful.

• • • —

A good education enables a person to worry about things in all parts of the world.—Spiced Tongue, The Reader's Digest.

• • • —

The building industry will fare better than some other industries in event of a possible recession.

Lewis H. Brown, Chairman Johns-Manville

JOHNSON'S COMPANY LTD.

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

REPRESENTATIVES

GREAT BRITAIN ..... A. A. BRAZIER & CO.
"Avenue Lodge"
65a Bounds Green Road,
LONDON, N. 22, England.

CHICAGO 4, ILL. ..... GRANT WILSON, INC.
141 West Jackson Boulevard

NEW YORK, N. Y. ..... CONNELL ASBESTOS MFG. CO.
Bldg. 1, Atlas Terminal
Glendale 27, L. I.

SAN FRANCISCO, CALIF. ..... LIPPINCOTT CO., INC.
461 Market Street

Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos — By Countries

	January 1947 Tons (2240 lbs.)
From Canada	32,081
S. Rhodesia	658
Union of South Africa	2,629
	35,368
Value	*$1,964,151*

By Grades

Crude No. 1 (Chrys) Canada	30
Crude No. 1 (Chrys) S. Rhodesia	203
Crude No. 1 (Chrys) U. of S. Africa	298
Crude No. 2 (Chrys) Canada	47
Crude, Other (Chrys) S. Rhodesia	455
Crude, Other (Chrys) U. of S. Africa	369
Blue Crude — U. of S. Africa	929
Amosite — U. of S. Africa	1,033
Textile Fibre (Chrys) Canada	838
Shingle Fibre (Chrys) Canada	3,704
Paper Fibre (Chrys) Canada	4,588
Other Grades (Chrys) Canada	22,874
	35,368

Manufactured Asbestos Goods

	January 1947 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	2,765	$1,805
Asbestos Packing, Fabrics		
Various Countries	9	5
Asbestos Packing, not Fabric		
Various Countries	51	166
Asbestos Brake Lining (Molded)		
Various Countries	6	2
Asbestos Woven Fabrics, Other		
Various Countries	416	276

(Continued on page 26)

SMITH & KANZLER CORPORATION

MANUFACTURERS OF

ASBESTOS PAPER

AND

LOW PRESSURE INSULATIONS

ESTABLISHED 1920

LINDEN, NEW JERSEY

Imports—Manufactured Goods (Contd.)

	January 1947 Quantity (Lbs.)	Value
Asbestos Cement Products (Impreg.)		
Canada	59,748	2,354
Asbestos Cement Products (Not Impreg.)		
Canada	232,380	10,528
Belgium	46,384	4,346
Asbestos Manufactures (Other)		
Various Countries	....	401
	341,759	$19,883

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos

	January 1947 Tons (2240 lbs.)	Value
To Columbia (S. Amer.)	77	$ 9,610
Peru	54	5,934
Venezuela	5	625
Cuba	32	1,050
Sweden	3	1,971
Other Countries	7	727
	178	$19,917

Manufactured Asbestos Goods:

		January 1947 Quantity	Value
Asbestos Paper, Mlbd. & Rlbd.	Lbs.	81,293	$ 9,321
Asbestos Pipe Covg. & Cement	Lbs.	494,184	37,198
Asbestos Textiles & Yarn	Lbs.	72,383	35,221
Asbestos Packing	Lbs.	306,783	170,511
Asbestos Brake Lng. (Mld.&S-Mld.)	Lbs.	225,270	176,373
Asbestos Brake Lng. (Woven)	L. Ft.	116,042	57,100
Asbestos Clutch Fcgs. (Mld.&S-Mld.)	No.	91,060	42,772
Asbestos Clutch Fcgs. (Woven)	No.	40,034	19,694
Asbestos Brake Blks. (Mld.&S-Mld.)	Lbs.	73,511	52,024
Asbestos Brake Blks (Woven)	Lbs.	18,261	13,339
Asbestos Sheets	Lbs.	961,305	70,875
Asbestos Roofing	Sqs.	5,299	34,273
Other Asbestos Manufactures	Lbs.	....	76,310
			$795,011

• • • —

The reason a dollar won't do as much for a dollar as it once did is because people won't do as much for a dollar as they once did.—Spiced Tongue, The Reader's Digest.

YORK INSULATION COMPANY INCORPORATED . HILLSIDE NEW JERSEY

PIPE COVERING

AIRCELL

WOOLFELT

ANTI-SWEAT

FROSTPROOF

SERVICE INTEGRITY QUALITY

PRODUCTION STATISTICS

Rhodesia

(Published by Rhodesia Chamber of Mines)

Production for January 1947 — 4,361.52 tons (2000 lbs.), valued at £137,271.

BRIEFS

¶ An artist, Ben Baker, of Elwood, Ind., found that J-M Flexboard made an excellent substitute for canvas on which to execute paintings. He and several artist friends who use Flexboard claim there is little danger of its cracking or shrinking and that it has the permanency to make it last for centuries.

¶ A new type of plastic composition flooring for use in residential construction contains asbestos fibre as one of its ingredients, along with sawdust and binding chemicals. The material comes in powder form, is mixed with water and then troweled on like cement. The trade name is Oaktred.

¶ A Vet and his bride, winners on a "Truth or Consequences" radio program, were presented with Honeymoon House, erected by the Celotex Corporation of Chicago as an exhibit at the NAHB Convention in February. The house was made of Cemesto Insulated Board, which, as most of our readers know, is cane fibre board bonded between sheets of 1/8" Asbestos-Cement Board.

• • • —

Net sales billed by the General Electric Company in the first quarter of 1947 totaled $233,819,167, compared with $257,638,780 in the final quarter of 1946. Sales in the first quarter of 1946 totaled $60,426,744, the low figure being accounted for by the fact that a strike was in effect at that time.

WANTED—TO PURCHASE

Asbestos Pipe Covering Winder required. New or used. State price, capacity, condition. Address Box 11-A-M, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

Announcing

A NEW ASBESTOS PREPARATION PLANT

Inquiries Invited from All Countries

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ARIZONA
(Iron Free)
AMOSITE
BLUE
(South African)
(Bolivian)
CANADIAN
CYPRUS
RHODESIAN
RUSSIAN

We have installed the most modern Asbestos Preparation Plant in America. We are in position to supply any of above asbestos fibres suited to your particular use.

•

High strength obtained using our Blue Asbestos in Asbestos cement pipes and corrugated sheets.

•

ASBESTOS INTERNATIONAL CORPORATION

H. S. STEVENSON, *President*
451 Communipaw Ave. Jersey City N. J.

NEWS OF THE INDUSTRY

BIRTHDAYS

David P. Seaman, Manager, Philip Carey Mfg. Co., New York City, May 24.

George V. Hamilton, Proprietor, George V. Hamilton Co., Pittsburgh, Pa., May 26.

J. H. Mooney, Vice President, Johnson's Co., Thetford Mines, P. Q., Canada, May 27.

Giles Newton, Managing Director, Cape Asbestos Co., Ltd., London, England, May 27.

Stuart H. Ralph, Vice President, and Director, The Flintkote Co., New York City, May 27.

F. E. Schluter, President, Thermoid Company, Trenton, N. J., May 31.

F. H. Shipe, President, Asbestos Covering & Roofing Company, Washington, D. C., May 31.

Phil. Ziegenfuss, President and Treasurer, Insulating Materials Co., St. Louis, Mo., June 2.

Edward J. Ewald, Vice President, Standard Asbestos Mfg. Co., Chicago, Ill., June 6.

E. M. Railton, Vice President of Western Division, The Ruberoid Co., Chicago, Ill., June 8.

Walker Jamar, President, Walker Jamar Co., Duluth, Minn., June 11.

Howard Snow, President, Southern Friction Materials Co., Charlotte, N. C., June 11.

George A. Hull, Vice President, Union Asbestos & Rubber Co., Chicago, Ill., June 14.

Ralph A. Badgley, Vice President, Asbestos Limited, Inc., New York City, June 16.

Congratulations to all of these gentlemen on the occasion of their birthdays.

MANHATTAN RUBBER DIVISION of Raybestos-Manhattan, Inc., have at the plant gates two large billboards which carry the plant's new safety slogan, *"Safety First With Production Never Leads to Pay Reduction."*

The winning slogan for the plant-wide 1947 Injury Prevention Contest was written by Stanley Krusheski of the Belt Department and netted him a $100 prize. Second prize of $50 was taken by William McCracken of the Machine Shop with the slogan *"Safety Will Pay If Practiced Every Day."* Judges of the slogan contest were men interested in industrial safety but in no way connected with Manhattan.

BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia insulation

The CAPE ASBESTOS CO. Limited

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FACTORY, BARKING, ESSEX

United States Sales Agent:

ARNOLD W. KOEHLER

415 LEXINGTON AVE. **NEW YORK CITY**

TELEPHONE—VANDERBILT 6-1477

MATTHEWS, CILLEY, HEINSOHN
Advanced by Raybestos-Manhattan

Two vice presidents and a director were added to the Official family of Raybestos-Manhattan at the Annual Stockholders' Meeting and the Directors' Meeting held on April 1st. They were John H. Matthews, elected Vice President, O. H. Cilley, assistant general manager of the U. S. Asbestos Division at Manheim, also made a vice president, and A. F. Heinsohn, general manager of General Asbestos & Rubber Division at North Charleston, S. C., elected a director.

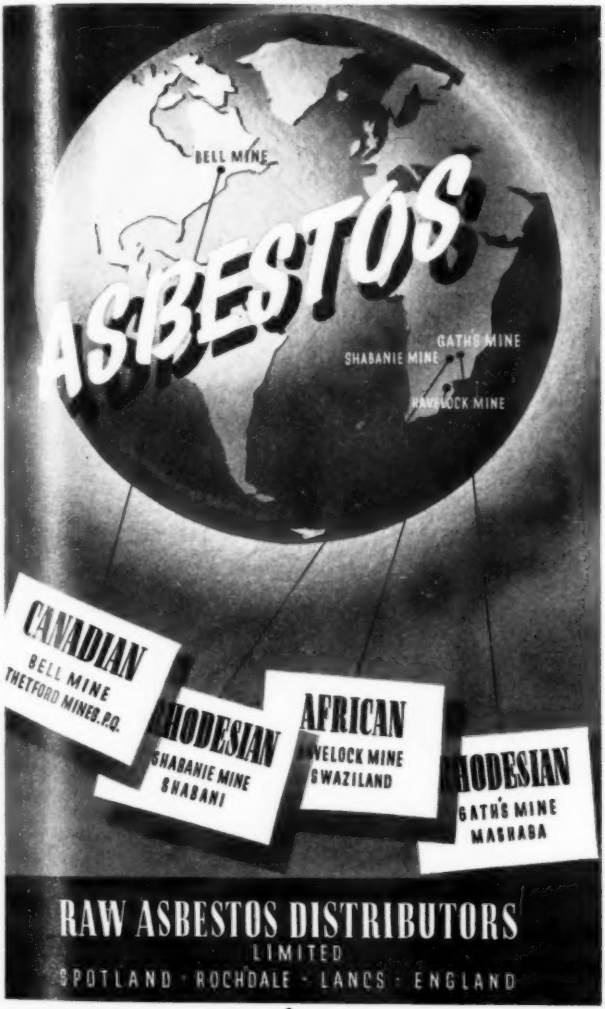
Mr. Matthews started as a machine-shop draftsman with Manhattan Rubber Company in 1914 after graduating from Stevens Institute of Technology as a mechanical engineer. He was later made foreman of the Compressed Asbestos Sheet Department and then manager of the Belt, Clutch Facings and Brake Lining Departments. In 1940 he became assistant factory manager and in 1942 assistant general manager of the Manhattan Division.

Mr. Cilley's early education and experience was in the tex-

John H. Matthews *O. H. Cilley* *A. F. Heinsohn*

tile field. In 1902 he was employed by C. G. Sargent Sons Corporation of Graniteville, Mass., manufacturers of textile machinery. He became associated with the United States Asbestos Co. in March 1920 as plant superintendent, and in 1928 was made assistant general manager. He has been a member of the Board of Directors since 1941. He is a member of the Society of Automotive Engineers and a Director of the Mechanical Packing Association.

Mr. Heinsohn completes 25 years of service with the General Asbestos Division this year, having joined them in 1922 shortly after graduating from the Citadel. He has held several important positions and in June 1944 became general manager of that Division. He served on the Advisory Committee of the Federal Housing Administration and on the War Manpower Commission in his District in South Carolina.


BELL MINE
ASBESTOS
GATH'S MINE
SHABANIE MINE
HAVELOCK MINE
CANADIAN
BELL MINE
THETFORD MINES, P.Q.
RHODESIAN
SHABANIE MINE
SHABANI
AFRICAN
HAVELOCK MINE
SWAZILAND
RHODESIAN
GATH'S MINE
MASHABA
RAW ASBESTOS DISTRIBUTORS
LIMITED
SPOTLAND · ROCHDALE · LANCS · ENGLAND

L. C. PHARO PASSES AWAY

Important Figure in Asbestos Producing Industry

L. C. Pharo, Mill Superintendent of Johnson's Company Ltd., at Thetford Mines, passed away on April 3rd, 1947.

Mr. Pharo, familiarly known to United States Asbestos Manufacturers as "Lee," spent his entire business life in the Thetford Mines area, in connection with the production and milling of asbestos. He was an authority on Asbestos Milling practice, having invented and developed several new machines for fiberizing asbestos, and was working on further improvements.

L. C. Pharo

Mr. Pharo was first associated with the Jacobs Asbestos Mining Co. (afterwards absorbed by the Consolidated Asbestos Co.) He was later employed by the Asbestos Corporation of Canada as superintendent of their Fraser Mine at East Broughton, Que., later saw service in their King Mill at Thetford Mines, the Beaver Mill and at Vimy Ridge Mine. In 1929 he joined Johnson's Company Ltd., remaining in their employ until his death, a period of 18 years. He designed and supervised the construction of their present mill, and as Plant Superintendent supervised all the Auxiliary installations to the Fiberizing Plant, such as the Electrical Control Unit, Machine Shop, etc. For several years he also had charge of their Mine and Mill at Black Lake.

Mr. Pharo was a past chairman of the Technical Committee of the Quebec Asbestos Producers Association, to which group he contributed valuable assistance.

He will be sorely missed by his associates in Johnson's Company and indeed by the entire Asbestos Producing Industry in Canada.

TILO ROOFING COMPANY

Changes in Personnel

Robert J. Tobin, President of Tilo Roofing Company, Inc., was elected Chairman of the board at a meeting of directors on April 15, 1947. Mr. Tobin, who joined Tilo in 1917, succeeds Fenton R. Brydle, founder of the company, who resigned as board chairman on March 14, 1947.

Mr. Tobin has been a director of the company since 1924; has served as treasurer and vice president and was elected president in 1936.

Harold O. Weise, vice president in charge of sales was elected a director of the corporation at the annual stockholders' meeting on April 15th. Mr. Weise joined the firm in 1925 as a sales-

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ENGINEERING SERVICE
TO THE ASBESTOS - CEMENT INDUSTRY

SPECIALISTS IN HATSCHEK OPERATION
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CONSULTING SERVICE ON MANUFACTURING PROBLEMS

INSULATION—the logical medium to reach insulation contractors with your sales messages.

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man, rising thru the positions of branch manager and district manager to become vice president in 1938.

UNION ASBESTOS ELECTS OFFICERS

The Board of Directors of the Union Asbestos & Rubber Company, at its meeting on April 15th, elected the following officers: J. H. Watters, President; J. H. Balch, Exec. Vice President and Treasurer; C. L. Moorman, P. S. Nash and R. E. Cryor, Vice Presidents; S. S. Steel, Secretary.

The Directors of the Company, elected at the annual meeting of stockholders on April 15th, are J. H. Watters, J. H. Balch, C. L. Moorman, R. E. Cryor, A. A. Halle, Jr., J. H. Rodger, G. W. Kahn, Hugo Anderson, Hugo Sonnenschein.

GEORGE A. HULL DIES

George A. Hull, a Vice President and Director of Union Asbestos & Rubber Company, died at Vista, Calif., on April 5.

George A. Hull

Mr. Hull, formerly general manager of the Equipment Specialties Division of the Union Asbestos & Rubber Co., was transferred to the Los Angeles area in May, 1945, where he did special work for the company in refrigerator cars and other railroad equipment.

Mr. Hull was associated with the Great Northern Railroad for five years and then became assistant mechanical engineer on the Rock Island Railroad. He joined Union Asbestos in 1923. Mr. Hull was responsible for a number of inventions which have been widely used on refrigerator cars.

• • • —

THERMOID COMPANY has acquired a new warehouse in Wabash, Ind., for the purpose of more readily serving their customers in the central and mid-west trading areas, formerly served from Chicago. The warehouse is completely modern thruout, of stone construction, and provides 90,000 square feet of floor space, as compared to the former 25,000 at Chicago. It will carry a complete stock of all Automotive and Industrial products with the exception of Oil Field products.

The warehouse will be operated by a staff of 18, under the direction of H. L. Conover, formerly of the main office in Trenton. Shipping from the new warehouse will be largely by truck.

• • • —

RAYBESTOS-MANHATTAN, INC. has established new offices and warehouse facilities at 131 Mission Street, San Francisco 5, Calif. These new quarters will provide adequate space for a large stock of belting, hose, other industrial rubber products and packings, to efficiently serve West Coast customers.

ASBESTON*

Light-weight · High-strength · Low-gauge
Asbestos Fabrics — Asbestos Tape

Textile Division

UNITED STATES RUBBER COMPANY

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FOR
ASBESTOS CEMENT PRODUCTS
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DRYCOR FELT COMPANY
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!! FOR SALE !!

Profitable asbestos business, established metropolitan city over 30 years, selling and manufacturing, also contract work. Modern building—will sell complete, or sell business and lease building. Address Box 48-D. "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

METAL WINDOWS

Steel — Aluminum — Bronze
Large Stock — ALL TYPES
STEEL SASH SALES & SERVICE
Weehawken, New Jersey

ASBESTOS IRONING BOARD COVER WINS SAFETY AWARD

Brief mention was made in our April number of the annual safety award dinner, held in the Waldorf-Astoria Hotel on April 8th, sponsored by Lewis & Conger, one of New York's leading housewares stores.

The occasion was a tribute to asbestos and to the Textile Division of the United States Rubber Co. This safety award is made by Lewis & Conger each year to the firm which in the opinion of five judges (not connected with Lewis & Conger) has produced the outstanding household gadget or article for promoting safety in the home.

This year the award was made to Textile Mills Company of Chicago, which makes the Tex-Knit Burnproof Ironing Cover from asbestos cloth (trademarked "Asbeston") produced by the Textile Division of the U. S. Rubber Company.

H. E. Sunbury of the U. S. Rubber Company (Textile Division) spoke at the dinner, reciting the history of Asbeston and calling attention to the fact that fireproof draperies made of Asbeston were about to be placed on the market, especially for use in clubs, hotels and the like. In fact the first public display of these draperies was made at the dinner and their decorative beauty and texture attracted much favorable comment.

• • • —

ASBESTOS COMPANY OF CALIFORNIA, 941 Sixteenth St., San Francisco, has been appointed representative in the San Francisco area for the Manhattan Rubber Division of Raybestos-Manhattan, Inc. The Asbestos Company will carry a complete stock of belting, V-belts, hose of all types and other industrial rubber products. Their customers will have the advantage of the proximity of the new R-M warehouse in San Francisco.

UNION ASBESTOS & RUBBER CO. on April 15th declared a 17½c quarterly dividend on its common stock, payable July 2nd to stockholders on record June 10th.

ASBESTOS ERECTORS, INC., of Bound Brook, N. J., recently issued a 12 page pamphlet "A Few Facts about Asbestos Erectors, Inc." The first inside page tells what they do; the rest of the pamphlet lists their clients and gives a partial list of their jobs.

UNITED ROOFER, April 1947 issue, contains the address by Albert H. Fay of the Asbestos Cement Products Association before the United Roofing Contractors Association meeting at Hotel Statler, Cleveland, Ohio, on January 20, 1947. Mr. Fay's subject was "Asbestos Cement Products".

JOHNS-MANVILLE CORPORATION. A three-for-one split of the no par value common stock of Johns-Manville Corporation was approved on May 9 by stockholders at their annual meeting. The split will be effective for stockholders of record at the close of business on May 12, 1947, and new certificates will be mailed around May 29, 1947.

JOHNS-MANVILLE CORPORATION. On April 15th seven members were inducted into the Quarter Century Club of the Corporation, having been actively associated with Johns-Manville for 25 years or more. Those inducted were C. G. Dandrow, Vice President of J-M Products Corp., and General Sales Manager of the Industrial Products Division; R. R. Waddington, Vice President of J-M International Corp.; J. P. Woodward, Director of Industrial Relations; W. D. Van Arnam, General Sales Manager of the Celite Division; W. S. Stanton, architectural representative; W. E. Haines, special representative for J-M International Corp. in Cuba, and Ruth V. Markey of the Industrial Products Division. There are now 91 active and 17 retired members in the New York chapter of the Club, and a total national membership of 856.

JOHNS-MANVILLE CORPORATION. Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the first quarter of 1947 were $2,251,224, compared with $2,584,919 in the fourth quarter of 1946 and a net loss of $796,873 for the first quarter of 1946. The loss in the first quarter of last year was due to decrease in sales caused by strikes at J-M's two largest plants.

Earnings per share of common stock were $2.31 for the first quarter as against a loss of $1.11 last year.

Sales for the first quarter of 1947 were $29,787,458, compared with $12,955,804 for the first quarter of 1946.

Income and Canadian excess profits taxes were $1,395,302 in the first quarter of 1947.

Production for the first quarter of 1947 as measured by sales was the highest recorded for any first quarter in the company's history.

FRANK E. HAWKER, has recently been appointed District Manager for the Canadian Products Division of Johns-Manville Corporation. Mr. Hawker will be responsible for the sales of building materials and industrial products in the Maritimes, Quebec and Eastern Ontario. He was formerly company engineer for the Montreal district and previous to that was a salesman in Sherbrooke, Montreal, Ottawa and Halifax areas, having been associated with Johns-Manville since 1924.

FETHER & COMPANY, of whom Don W. Fether is the head, has recently completed a new plant at 2490 S. C. Alviso Rd., Santa Clara, Calif., for the manufacture of a new wire back molded brake lining.

Active in the new company are William C. Blank, who has had 20 years experience in the brake lining business and Joe L. Cato, also long experienced in brake lining factory practice and production.

ASBESTOS CORPORATION LIMITED. A recent addition to the engineering staff of the Asbestos Corporation Limited is C. G. Bourne, formerly with Kerr-Addison Gold Mines Limited,

and during the recent war an intelligence officer with the Royal Canadian Engineers.

SALL MOUNTAIN COMPANY of Chicago, Ill., announce with great regret, the death of their New England representative, Allan P. Miller, who passed away on March 4th, from a heart attack, at his home in Dover, Mass. Mr. Miller was 71 years old—he had represented the Sall Mountain Company for the past quarter century.

CONTINENTAL ASBESTOS & REFINING COPPORATION has issued a new catalog, virtually a handbook concerning building maintenance. There are four distinct sections—(1) on products that will preserve and improve floors of all kinds, (2) on protective and decorative coatings for the interiors and exteriors of buildings and installations, (3) on heat system, water system and metal conditioners, (4) on industrial cleansers and disinfectants. Those interested may obtain a copy by writing the Corporation at 1 Madison Ave., New York 10, N. Y.

COLT'S MANUFACTURING COMPANY, is the new name (adopted April 24, 1947) by Colt's Patent Fire Arms Manufacturing Co. The Company is located at Hartford 15, Connecticut, and makes a variety of products, included among which are compressed asbestos sheet packing, valve discs, pump valves, insulation parts and molded brake lining, all of these containing asbestos fibre.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 25c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date issued, name of patentee and name of invention.

Pipe. No. 2,416,618. Granted on February 25, 1947 to John Ferla, East Orange, N. J., assignor to U. S. Asbestos Cement Pipe Company, Camden, N. J. Application August 3, 1942. Serial No. 453,447.

In a pipe joint the combination of pipe sections formed of cementitious material and including an interfitting bell and barrel, a metallic lining extending continuously thru the barrel, a metallic sleeve telescoped over the barrel and having a circumferential groove arranged in the periphery thereof within the bell, metallic means connected with said sleeve and extending over the under portion of the barrel and joint to the lining and an elastic gasket compressed in said groove between the bell and the barrel.

Heat Insulation. No. 2,417,435. Granted on March 18, 1947, to Carl Georg Munters, Stocksund, Sweden. Application January

6, 1944. Serial No. 517,251. In Sweden 12/20/43.

Heat insulating material comprising spaced substantially parallel plate members, structure disposed between said plate members and secured thereto, said structure comprising a plurality of sheets extending between said plate members transversely thereof and spacing means disposed between said sheets, said spacing means being constructed and arranged to form elongated air chambers between and substantially parallel to said sheets and transversely of said plates, heat transfer being in a path transversely of said plates and parallel to said sheets, the mass of said sheets and said spacing means being less than 60 kilograms per cubic meter and greater than 10 kilograms per cubic meter whereby heat transfer by conduction is held to a minimum the average spacing between said sheets being maintained within the limits of .5 to 3 millimeters thus fixing the cross sectional dimension of the said chambers transversely of said sheets at a value determined to be optimim for holding the transfer of heat due to radiation to a minimum.

Asbestos Fiberizing Apparatus. No. 2,417,599. Granted on March 18, 1947 to William J. Joyce, Jr., Manheim, Pa. Assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Application January 27, 1944. Serial No. 519,894.

An asbestos fiberizing apparatus comprising roll means, including a plurality of spaced horizontally supported rolls, alternate rolls, being provided with longitudinally extending rigid ribs, intervening rolls being provided with circumferentially extending rigid ribs, said ribbed rolls being aligned to act successively on the asbestos during its passage thru the apparatus in cooperative relationship with juxtaposed resilient cylindrical surfaced roll means, means yieldably urging said horizontal roll means and said resilient roll means toward each other, means for positively driving at least one of said roll means, vibrating means for introducing a substantially uniform flow of asbestos to the apparatus, means for receiving the resultant fiberized material after it has passed between the roll means, pneumatic means for removing said resultant fiberized material from said receiving means and for fluffing up the fibres and separating them further.

Roof and Roofing for use Therein. No. 2,417,899. Granted on March 25, 1947 to Herbert William Ashman, Hale, England. Application October 11, 1944. Serial No. 558,743. In Great Britain November 2, 1943.

A roofing structure of superposed rigid sheets carried by supports comprising a lower deck made up of a plurality of sheets overlapped at their sides and ends, and longitudinally corrugated to form inverted troughs of lesser and greater heights with valleys therebetween, etc.

Gasket. No. 2,418,072. Granted on March 25, 1947, to August

William Louis Hartbauer, Chicago. Application August 31, 1942. Serial No. 456,836.

A gasket structure comprising an elongated core member of gasket material, said core member comprising a spirally wound strip forming a plurality of lateral abutting core segments forming a composite core member having opposed surfaces, an elongated metal strip, etc.

BOOK LIST

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy, discount in quantities of 50 or more.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy, discount in quantities of 50 or more.

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities. 10c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. 30c.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks) 35c per copy postpaid.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textiles for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each.

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Written especially for school children but every Asbestos Library should have a copy. $1.00 per copy. (This book has been out of print but is now again obtainable.)

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa.

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Young experienced asbestos-mining engineer to open and develop new deposit of talc-serpentine in Brazil. Excellent future for the right man. Write giving full particulars and experience to SANOS, P. O. B. 1924, Rio de Janeiro, Brazil.

WANTED

Experienced engineer for Asbestos-Cement Industry capable of handling men and having knowledge of machine design. An excellent future assured the right man. Write giving full particulars and experience to SANOS, P. O. S. 1924, Rio de Janeiro, Brazil.

CURRENT RANGE OF PRICE

As of May 10, 1947

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine
Group No. 1 (Crude No. 1)	$800.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry	$302.50 to 545.00
Group No. 3 (Spinning or Textile Fibre)	170.50 to 315.00
Group No. 4 (Shingle Fibre)	82.50 to 113.00
Group No. 5 (Paper Fibre)	58.00 to 65.00
Group No. 6 (Waste, Stucco or Plaster)	43.00
Group No. 7 (Refuse or Shorts)	19.50 to 37.50
Vermont—	
Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.	
Group No. 4 (Shingle Fibre)	$82.50 to $91.50
Group No. 5 (Paper Fibre)	58.00 to 65.00
Group No. 6 (Waste, Stucco or Plaster)	43.00
Group No. 7 (Refuse or Shorts)	20.50 to 38.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		April 1947		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	42½	50	44
Armstrong Cork Co. (Pfd.)	np	104¼	106	105
Asbestos Corp. (Com.)	np	26½	28½	27¼
Asbestos Mfg. Co. (Com.)	1	2	2½	2⅜
Celotex (Com.)	np	23½	30	24¼
Celotex (Pfd.)	20	20½	21½	20⅞
Certainteed (Com.)	1	14¼	17⅝	15⅛
Flintkote (Com.)	np	27⅛	32½	28½
Flintkote (Pfd.)	np	106⅝	108¾	107¼
Johns-Manville (Com.)	np	114	127	115
Johns-Manville (Pfd.)	100	108⅛	120	116
Raybestos-Manhattan (Com.)	np	30	35½	32½
Ruberoid (Com.)	np	43½	52	47½
Thermoid (Com.)	1	11	12⅞	11⅜
Thermoid (Pfd.)	50	51½	56	53
Union Asb. & Rubber (Com.)	5	11	13¾	11
U. S. Gypsum (Com.)	20	92	102	99
U. S. Gypsum (Pfd.)	100	194	198	196
U. S. Rubber (Com.)	10	45⅛	51¾	47⅞
U. S. Rubber (Pfd.)	100	145	159	148½

AFTERTHOUGHTS

¶ Compared with 1940, Johns-Manville say they are now making half as much again of asphalt roofings, twice as much Transite pipe and conduit, two and a half times as many asbestos-cement shingles, and four times as much of the kind of rock wool insulation that is blown into the walls of existing buildings.

¶ Note change in price of the Manual of Unit Prices (page 42). A new edition of this had to be printed, and increased paper and printing costs made a slight increase necessary. Bulk price (10 or more) has been raised to 30c instead of the previous 25c per copy.

¶ A user of shingle grade asbestos fibre for sprayed insulation, was asked to pay such an exorbitant price for the fibre that they changed their formula and are now using only 30 pounds of asbestos with 70 pounds of finely granulated rock wool. The price they claim to have been asked to pay is far above the price given in our Current Range of Price section. The story bears thinking about.

¶ Construction outlays for 1947, says the U. S. Department of Commerce, are expected to be $2 billion to $3.3 billion less than predicted in December, partly because of buyer resistance to higher costs. Another cause is uncertainty over future prices and apprehension as to business prospects for the rest of the year.

¶ "The safest rule for predictions" says the Wall Street Journal, "is to be indefinite about the date. Sooner or later almost anything can happen."

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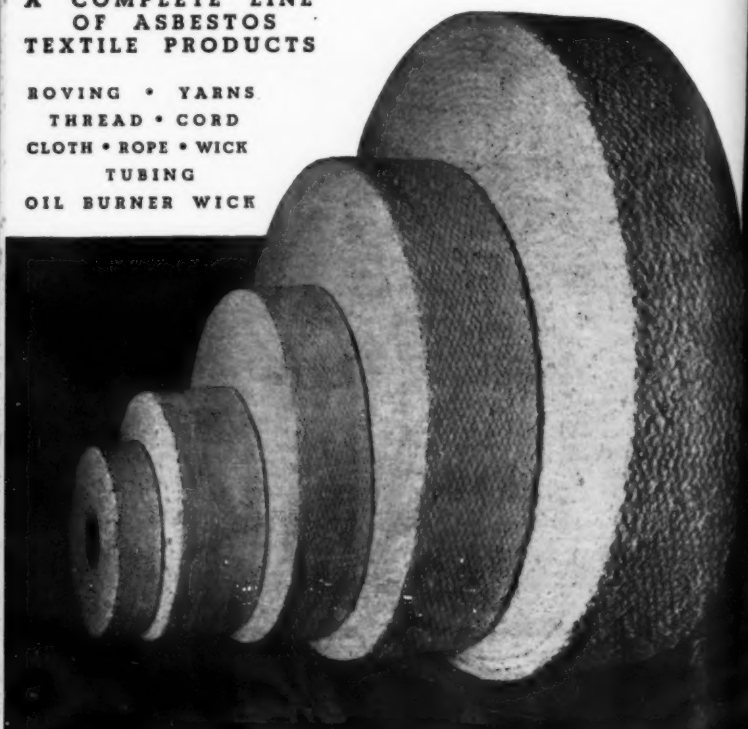

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